



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Johannes Antonius Maria Reinders

Based on International Application No.
PCT/NL02/00539

Serial No. 10/774,459

Confirmation No. 2000

Filed: 02/10/2004

Title: ENTHALPY EXCHANGER

Group Art Unit: 3753

Examiner: not assigned

Atty. Dkt. No.: **05235.0011.00US00**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir,

Listed on accompanying form PTO/SB/08A and/or attached to this IDS are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of each of these documents is provided.

It is respectfully requested that the Examiner initial and return a copy of the attached form PTO/SB/08A, and indicate in the official file wrapper of this patent application that the documents have been considered

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached form PTO/SB/08A based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be

prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

The following items with checked boxes apply to this Information Disclosure Statement (IDS):

- ☒ 1. This IDS is being filed within three months of the U.S. filing date or entry of the national stage OR before the mailing date of a first Office Action on the merits. No statement under 37 C.F.R. § 1.97(e) or fee is required.
- ☐ 2. This IDS is being filed more than three months after the U.S. filing date or entry of the national stage AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
 - ☐ a. I hereby state that each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to filing this IDS. 37 C.F.R. § 1.97(e)(1); or
 - ☐ b. I hereby state that no item of information in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to filing this IDS. 37 C.F.R. § 1.97(e)(2); or
 - ☐ c. The Commissioner is authorized to charge **Deposit Account No. 08-3038**, referencing the above docket number, in the amount of \$180 in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 3. This IDS is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the

Issue Fee. It is hereby requested that the IDS be considered. The Commissioner is authorized to charge **Deposit Account No. 08-3038**, referencing the above docket number, in the amount of \$180 in payment of the fee under 37 C.F.R. § 1.17(p).

- ☐ a. I hereby state that each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to filing this IDS. 37 C.F.R. § 1.97(e)(1); or
- ☐ b. I hereby state that no item of information in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to filing this IDS. 37 C.F.R. § 1.97(e)(2).
- ☐ 4. In regard to the relevance of non-English language document(s) listed on the enclosed form:
- ☐ a. For document(s) bearing Cite Nos. , a discussion is provided in the present specification.
- ☒ b. For document(s) bearing Cite Nos. B2, which was/were cited in search report(s) for corresponding foreign application(s), an English language version or translation of relevant portions of the foreign search report(s) is attached.
- ☐ c. For document(s) bearing Cite Nos. , counterpart application(s) in English is/are provided bearing Cite Nos. .
- ☒ d. For document(s) bearing Cite Nos. B2 an English language abstract is attached to the document(s).
- ☐ e. For document(s) bearing Cite Nos. an English language translation is attached to the document(s).
- ☐ f. For document(s) bearing Cite Nos. , a concise explanation of relevance is attached to the document(s).
- ☐ 5. The Examiner's attention is directed to co-pending U.S. Patent Application No. , filed on , which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a

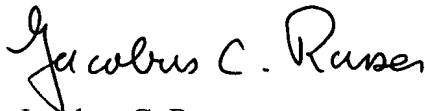
patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

- ☐ 6. Copies of document number(s) _____ was/were cited by or submitted to the Office in Application No. _____, filed on _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
- ☐ 7. Additional document(s) that may be considered material to the examination of this application are enclosed in compliance with the duty of disclosure: _____.

Any extension of time that may be deemed necessary to further the prosecution of this application is hereby requested. The Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment, to **Deposit Account No. 08-3038**, referencing the docket number shown above.

The Examiner is respectfully requested to contact the undersigned by telephone at the number given below in order to resolve any questions.

Respectfully submitted,



Jacobus C. Rasser
Reg. No. 37, 043

Date: 29 June '04

Customer No. 32894
Howrey Simon Arnold & White
CityPoint
One Ropemaker Street
London EC2Y 9HS
UNITED KINGDOM
Tel: 011 44 20 7628 3303



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/774,459
Filing Date	February 10, 2004
First Named Inventor	Reinders
Art Unit	3753
Examiner Name	n.a.
Attorney Docket Number	05235.0011.00US00

Sheet 1 of 1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US- 5 565139 A	10-15-1996	Walker et al	
	A2	US- 4 231975 A	11-04-1998	Peltier	
	A3	US- 5 722251 A	03-04-1998	Nabiulin et al	
	A4	US- 5 315843 A	05-03-1994	Mozorov et al	
	A5	US- 6 228506 B1	05-08-2001	Hosatte et al	
	A6	US- 3 296773 A	01-10-1967	Hemstreet, Russel A.	
	A7	US- 4 875520 A	10-24-1989	Steel et al	
	A8	US- 6 235219 B1	05-22-2001	Beckenbauer	
	A9	US- 4 769053 A	11-06-1988	Fischer, Jr.	
	A1	US- 4 035172 A	07-12-1977	Strindehag et al	
	A1	US- 5 194414 A	03-16-1993	Kuma	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ "Number" ⁴ Kind Code ⁵ (if known)				
	B1	GB 2 165342 A	04-09-1996	Nichias Corp.		
	B2	JP 63 319020 A	12-27-1988	Matsushita		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.